



**Integrating Cleaning and Waste Management Services =
Innovation @ECU**

**Presented by
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Manager Campus Services**

- Environmental Program
- The Way It Was
- Innovation in Cleaning and Waste @ ECU
- The Road Ahead
- Questions

ENVIRONMENT SERVICES

BIG STEPS toward a smaller footprint



Our Main Goals are:



ENERGY

To reduce energy use and greenhouse gas emissions associated with ECU's operations.

WATER

To achieve continual improvement and innovation in water conservation and efficiency.



WASTE

To reduce waste to landfill as a result of activities under the control of Facilities and Services and increase the proportion of waste that is reused or recycled.

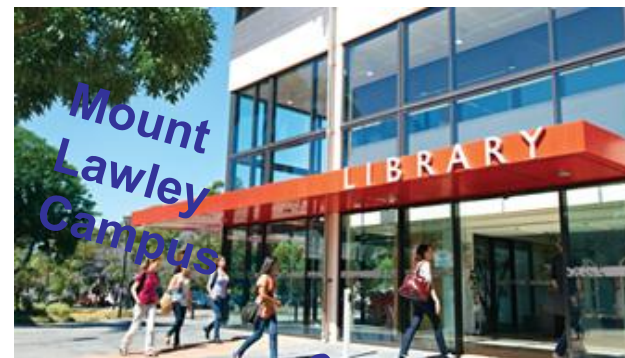
TRANSPORT

Reduce greenhouse gas emissions resulting from commute trips to/from ECU and from the University fleet.



BIODIVERSITY

To identify and manage the biodiversity values of the South-West campus and ensure compliance with relevant environmental legislation.

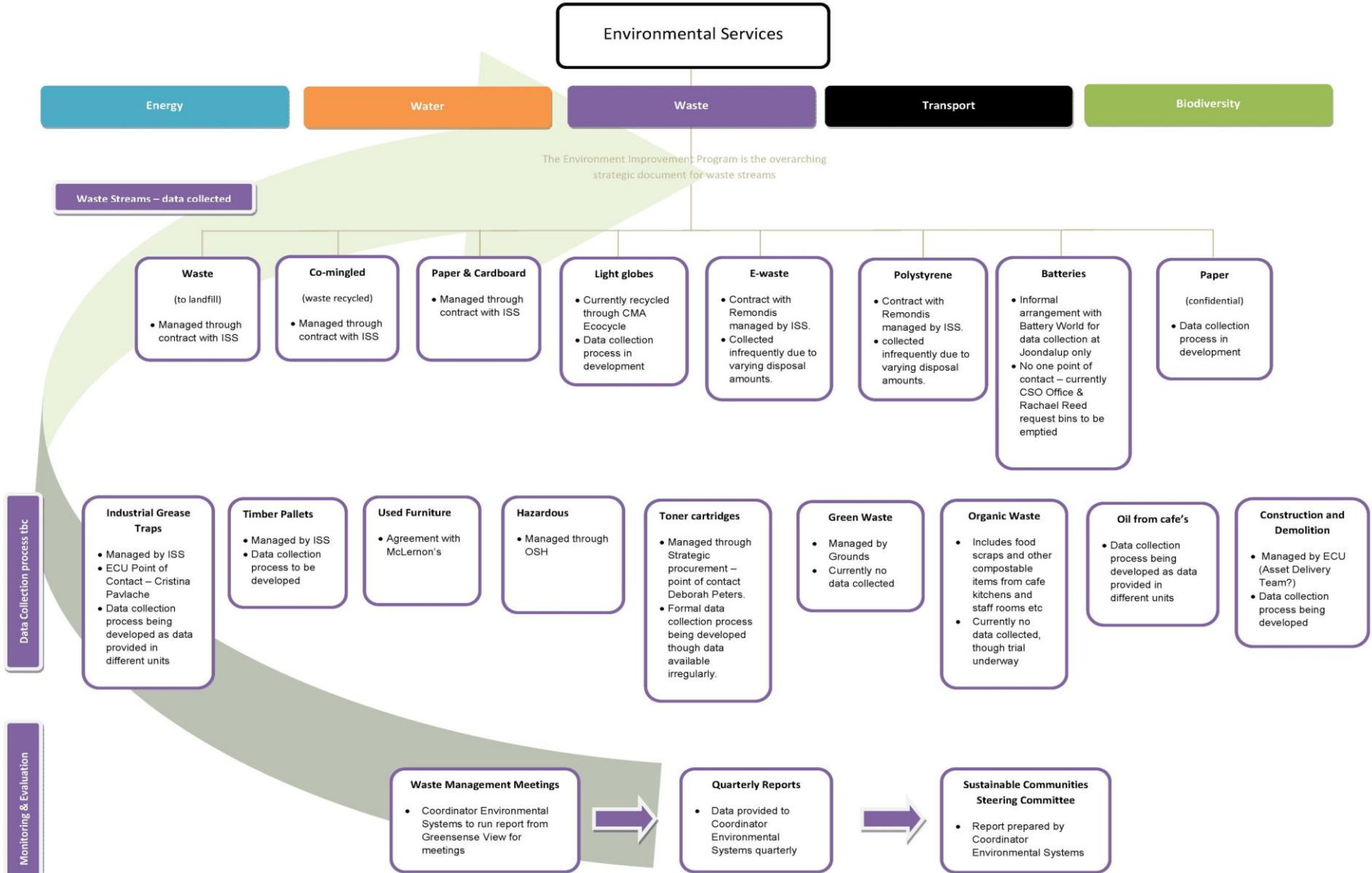


The way it was

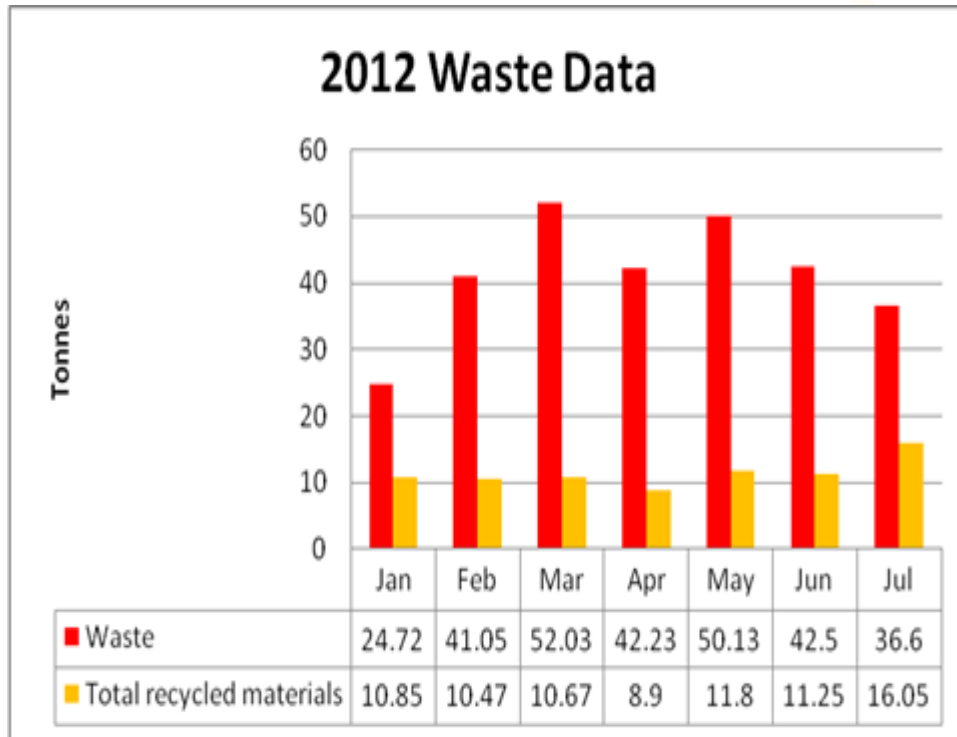
- Short term contract
- Multiple waste contractors
- Totally night time cleaning
- No incentive for contractors to be innovative
- Limited waste data collection
- No overall responsibility for waste management

- A new model of delivering the services as an Integrated Cleaning and Waste Management Contract
- Web based management & auditing tools for cleaning and waste services
- Centralised management of non hazardous waste streams
- Waste Transfer Station for improved separation and management of waste

Waste Streams



2012 Waste Data



YTD 2012

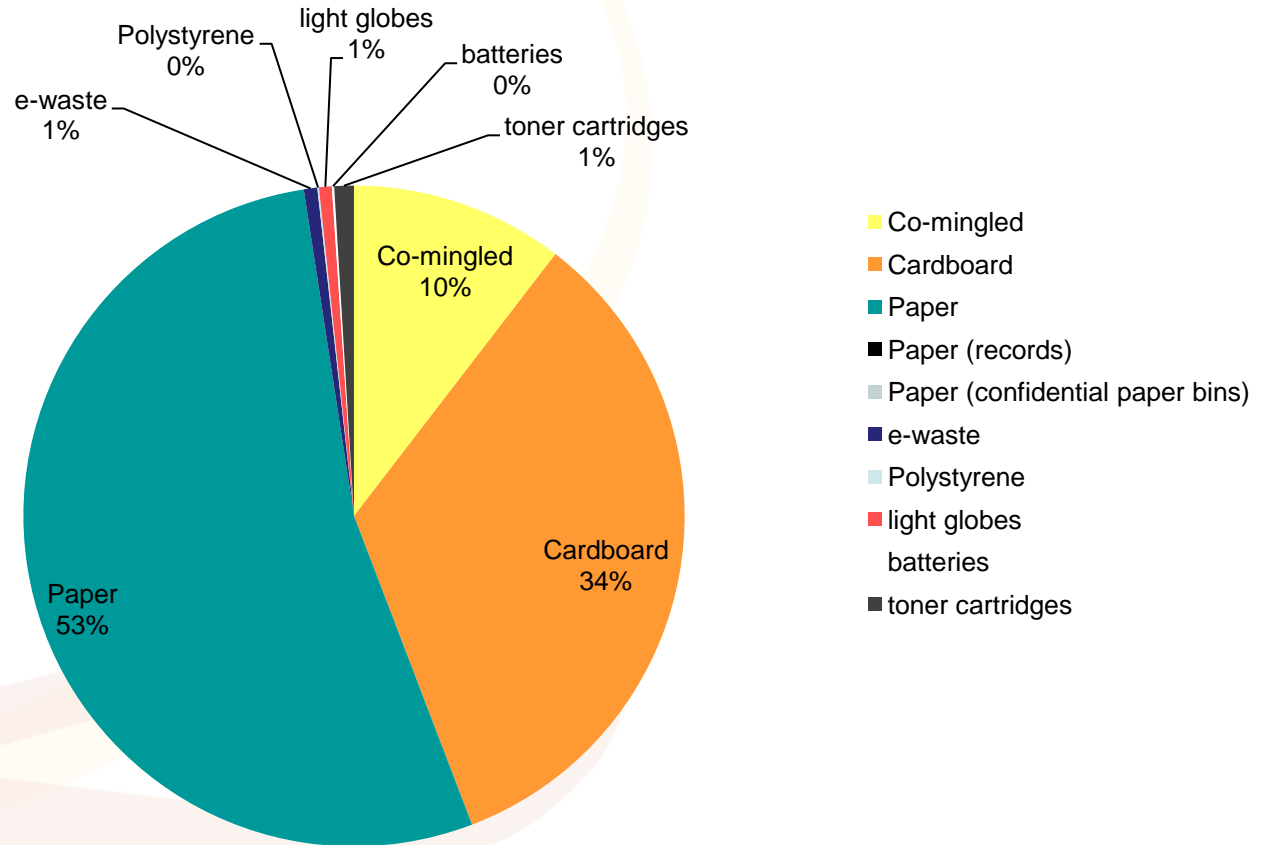
General waste – 308t or 80%

Recycled waste – 76t or 20%



Breakdown of Recyclable Waste

2012 Recycled Material Proportions Jan - Jun



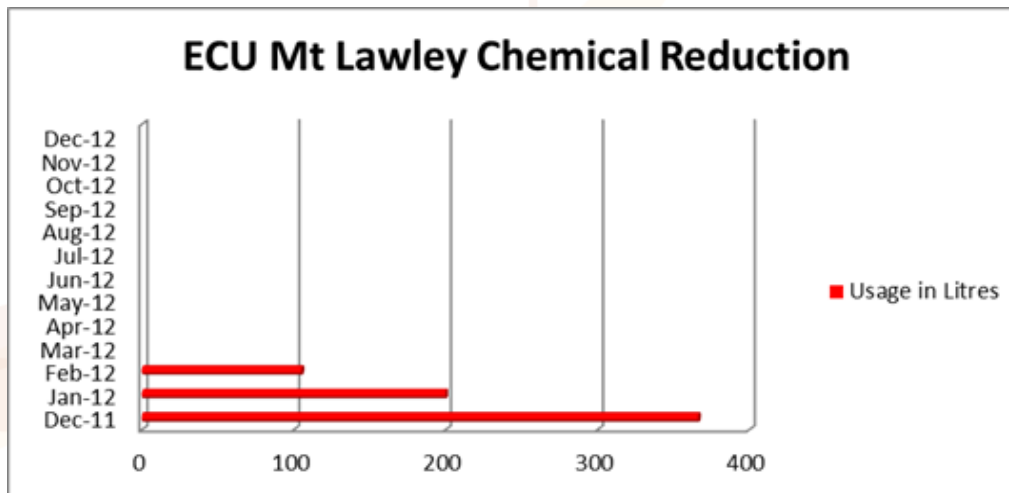
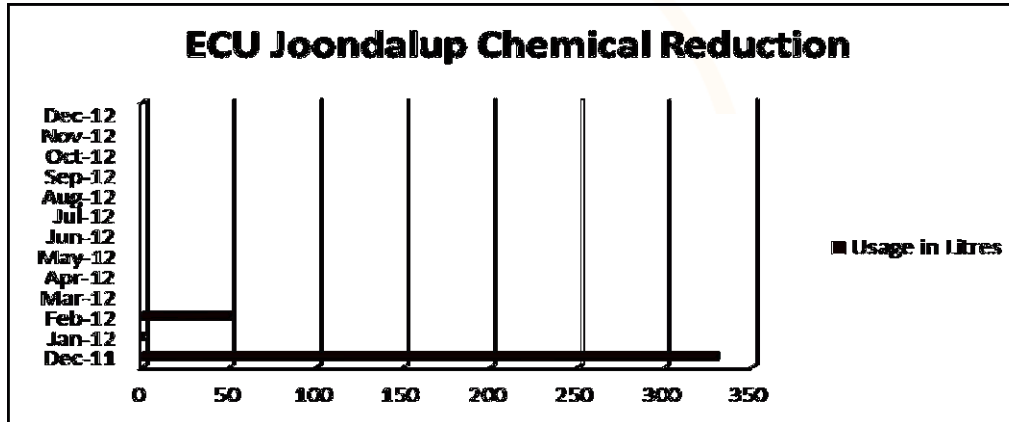
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- **First University in Australia to totally utilise the Cleaning Excellence Program (“waterless” microfiber cleaning)**

The Key Factors behind Cleaning Excellence

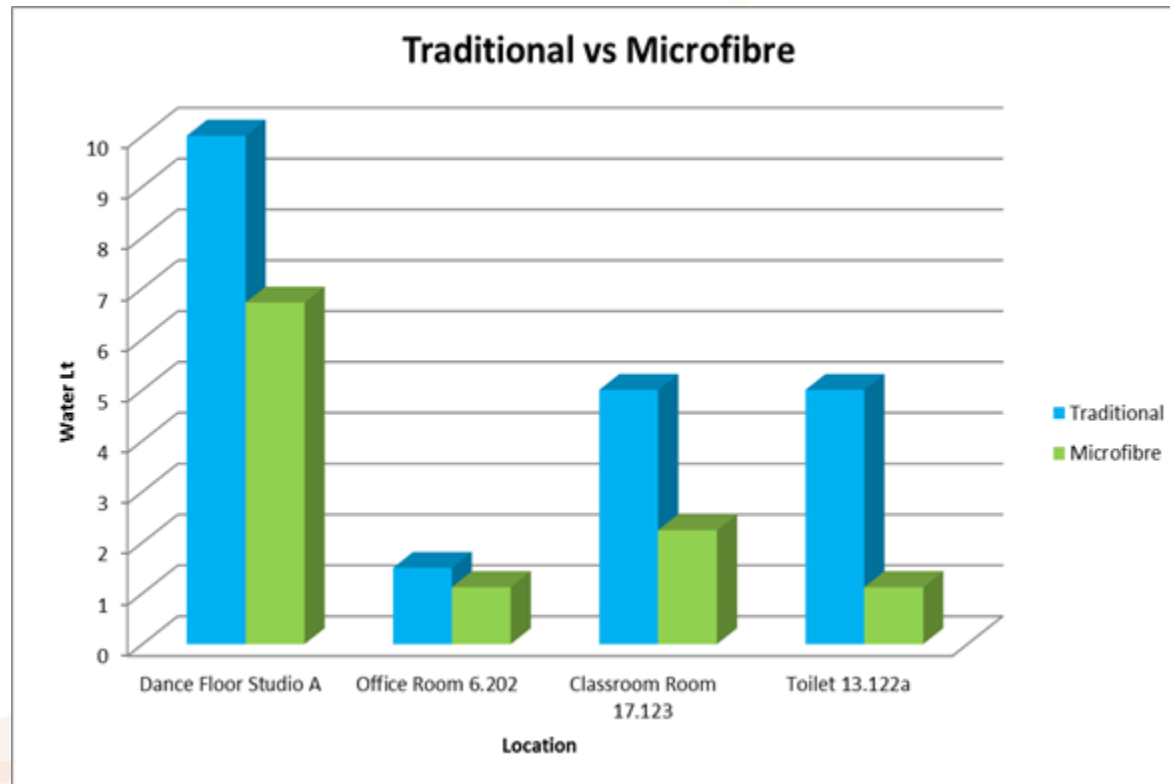


The Winner is the Environment

The impact

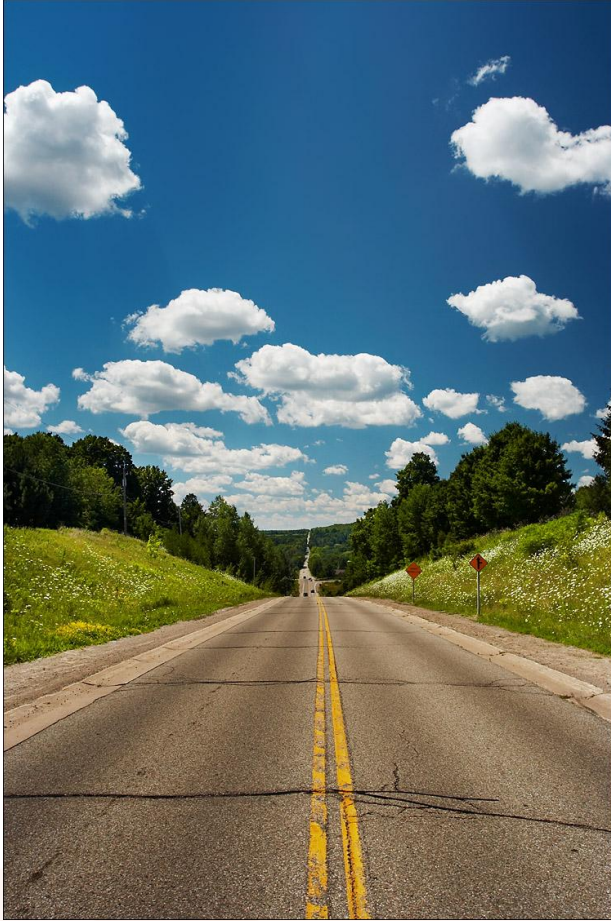


Reduction in Water Usage



Innovation in Cleaning and Waste @ ECU

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- First University in Australia to totally utilise the Cleaning Excellence Program (“waterless” microfiber cleaning)
- **Water reduction through use of waterless urinals and foam soap dispensers**



- Improving waste separation systems through engagements with the university community including the service provider
- Construction of the Waste Transfer Station & Installation of cardboard bailer and Compactor
- Waste Education program
- Roll out office recycling and rationalisation of grounds bins
- Implement day-time cleaning
- Implement micro fibre cleaning at Bunbury campus

Thank you, Any Questions?

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By installing water refill stations at ECU we have potentially saved over 80,000 plastic water bottles being purchased.